



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 09/937,668)	
Applicants : Bernd ECKARDT et al.)	TC/A.U. : 1754
Filed : September 28, 2001)	Examiner : Wayne A. LANGE
Title : RECOMBINATION DEVICE AND)	
METHOD FOR CATALYTICALLY)	Docket No. : 32325-174523
RECOMBINING HYDROGEN AND/OR)	
CARBON MONOXIDE WITH OXYGEN)	
IN A GASEOUS MIXTURE)	Customer No. *26694*
)	PATENT TRADEMARK OFFICE

Mail Stop: Non-Fee Amendment

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Enclosed herewith are 3 sheets of 1449 forms. On the 1449 forms references are enumerated which pertain to U.S. Patent Application 09/968586 which corresponds to PCT/DE00/00797 and to DE 19914823A1; That PCT case was published as WO 00/59634. The International Search Report [copies attached] is noted on the 1449 forms; it reveals the pertinence of the reference to the German application DE 19914823A1.

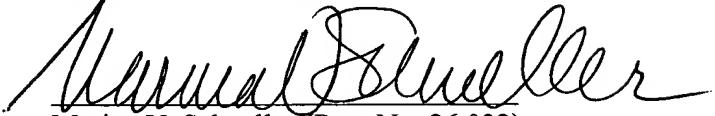
The foregoing information was provided to the undersigned offices on October 11, 2004. The U.S. application 09/968586 which corresponds to PCT/DE00/00797 and to WO 00/59634 derives from DE 19914823A1 which is incorporated by reference in the above-identified U.S. application 09/937,668, [the subject of the instant examination] at page 1, paragraph 2 of the translation.

As can be seen from the concurrently filed RESPONSE, applicants specification incorporates the U.S. application 09/968586.

Application No. 09/937,668
Amendment dated October 12, 2004
Reply to Office Action of July 12, 2004

The requisite fee is authorized on the enclosed transmittal to be charged to our
Deposit Account No. 22-0261.

Respectfully submitted,



Marina V. Schneller (Reg. No. 26,032)

VENABLE

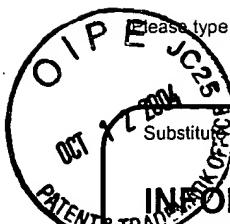
P.O. Box 34385

Washington, D.C. 20043-9998

Telephone: (202) 344-4000

Telefax: (202) 344-8300

Date: October 12, 2004



Please type a plus sign (+) inside this box →

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1 of 3

Complete if Known

Application Number	09/937,668
Filing Date	September 28, 2001
First Named Inventor	Bernd ECKARDT <i>et al.</i>
Group Art Unit	1754
Examiner Name	Wayne A. LANGE

Attorney Docket Number

32325-174523

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
AA	6,479,428	B1		Tonkovich et al.	11/2002	
AB	6,420,306	B2		Kurokawa et al.	07/2002	
AC	6,297,185	B1		Thompson et al.	10/2001	
AD	6,165,430			Kudia et al.	12/2000	
AE	6,107,239			Qin et al.	08/2000	
AF	6,071,850			Friedman et al.	06/2000	
AG	6,025,297			Ogura et al.	02/2000	
AH	5,958,829			Domesle et al.	09/1999	
AI	5,811,054			Kojima et al.	09/1998	
AJ	5,604,174			Friedman et al.	02/1997	
AK	5,490,788			Domesle et al.	03/1996	
AL	5,473,646			Heck et al.	12/1995	
AM	5,422,331			Galligan et al.	06/1995	
AN	5,301,217			Heck et al.	04/1994	
AO	5,250,489			Dalla Betta et al.	10/1993	
AP	5,217,939			Campbell	06/1993	
AQ	5,200,382			Cody et al.	04/1993	
AR	5,175,138			Felthouse	12/1992	
AS	5,110,779			Hucul	05/1992	
AT	5,035,875			Daish	07/1991	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
AU	DE	199 14 814	C1		Germany	12/14/2000		
AV	DE	196 36 557	A1		Germany	03/12/1998		
AW	DE	37 29 114	A1		Germany	03/23/1989		
AX	DE	37 25 290	A1		Germany	02/16/1989		
AY	EP	0 945 178	A1		Europe	09/29/1999		
AZ	EP	0 527 968	B1		Europe	02/24/1993		

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

VENABLE
ATTORNEYS AT LAW



Please type a plus sign (+) inside this box → +

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

2

of

3

Complete if Known

Application Number	09/937,668
Filing Date	September 28, 2001
First Named Inventor	Bernd ECKARDT <i>et al.</i>
Group Art Unit	1754
Examiner Name	Wayne A. LANGE
Attorney Docket Number	32325-174523

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
BA	4,992,407			Chakraborty et al.	02/1991	
BB	4,849,399			Joy, III et al.	07/1989	
BC	4,757,045			Turner et al.	07/1988	
BD	4,237,030			Noguchi et al.	12/1980	
BE	4,078,893			Gilman et al.	03/1978	
BF	4,048,113			Risse	09/1977	
BG						
BH						
BI						
BJ						
BK						
BL						
BM						
BN						
BO						
BP						
BQ						
BR						
BS						
BT						

FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
BU	EP	0 436 942	A2		Europe	07/17/1991		
BV	EP	0 388 955	A2		Europe	09/26/1990		
BW								
BX								
BY								
BZ								

Examiner Signature

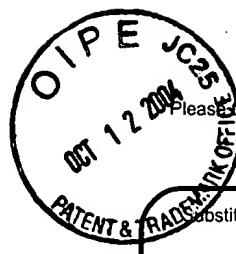
Date Considered

¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Unique citation designation number. ³ See attached Kinds of U.S. Patent Documents. ⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.





Please type a plus sign (+) inside this box →

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

Approved for use through 10/31/2002. GMB 0551-0551
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Institute for from 1416A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 3 of 3

<i>Complete if Known</i>	
Application Number	09/937,668
Filing Date	September 28, 2001
First Named Inventor	Bernd ECKARDT <i>et al.</i>
Group Art Unit	1754
Examiner Name	Wayne A. LANGE
Attorney Docket Number	32325-174523

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

VENABLE

Notice of References Cited

Notice of References Cited	Application/Serial No. 09/968,586	Applicant(s)/Patent Under Reexam Eckardt et al.
	Examiner Cam Nguyen	Art Unit 1754

U.S. PATENT DOCUMENTS

Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification	
5,811,084 <u>310</u>	9/1998	Kojima et al.	422	180
4,237,030 <u>811</u>	12/1980	Noguchi et al.	252	432
8,071,850 <u>312</u>	8/2000	Friedman et al.	502	439
8,479,428 B1 <u>813</u>	11/2002	Tonkovich et al.	502	302
5,250,489 <u>314</u>	10/1993	Dalla Betta et al.	502	262
4,848,399 <u>315</u>	7/1989	Joy, III et al.	502	333
5,496,788 <u>316</u>	3/1996	Domeske et al.	602	333
4,048,113 <u>317</u>	9/1977	Risse	252	462
8,420,308 B2 <u>318</u>	7/2002	Kurokawa et al.	502	261
8,107,239 <u>319</u>	8/2000	Qin et al.	502	300
5,217,939 <u>320</u>	6/1993	Campbell	502	339
5,200,382 <u>321</u>	4/1983	Cody et al.	502	204
6,025,297 <u>322</u>	2/2000	Ogura et al.	502	300

FOREIGN PATENT DOCUMENTS

NON-PATENT DOCUMENTS

Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages

BEST AVAILABLE COPY

This reference is not being furnished with this Office action. See MPEP 1.703 and 1.964.

1 Dates in MM:YYYY format, the sufficing date.

12 of 12 pages

Notice of References Cited

Application/Control No. 09/968,688		Applicant(s)/Patent Under Reexam Eckardt et al.
Examiner Cam Nguyen	Art Unit 1764	Page 2 of 2

U.S. PATENT DOCUMENTS

Document Number Country Code-Number-Kind Code	Date MM-YYYY ¹	Name	Classification ²	
A 6,297,185 B1 323	10/2001	Thompson et al.	502	101
B 6,165,430 324	12/2000	Kudla et al.	423	213.5
C 5,110,779 325	5/1992	Hucul	502	185
D 5,422,331 326	6/1995	Galligan et al.	502	333
E 4,757,045 327	7/1988	Turner et al.	502	252
F 5,175,138 328	12/1992	Felthouse	502	242
G 5,958,829 329	9/1999	Damaska et al.	502	333
H				
I				
J				
K				
L				
M				

FOREIGN PATENT DOCUMENTS

Document Number Country Code-Number-Kind Code	Date MM-YYYY ¹	Country	Name	Classification ²
N				
O				
P				
Q				
R				
S				
T				

NON-PATENT DOCUMENTS

Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages	
U	
V	
W	
X	

copy of this reference is not being furnished with this Office action. See MPEP § 707.06(e).

¹ Dates in MM-YYYY format are publication dates.² Classifications may be U.S. or foreign.

Sheet 2 of 2

FORM PTO-1449 (SUBSTITUTE)

U.S. DEPARTMENT OF COMMERCE

PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(37 CFR 1.98(b))

JAN 25 2002

PATENT & TRADEMARK OFFICE

Attorney Docket No.:
TER-99P8521 P

Applic. No.

09/968,586

Applicant

Bernd Eckardt et al.

Filing Date

Group Art Unit

October 1, 2001

3841

1754

U.S. PATENT DOCUMENTS

EXAMINER INITIALS		PATENT NO.	DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE
	A						
	B						
	C						
	D						
	E						
	F						
	G						
	H						
	I						

FOREIGN PATENT DOCUMENT

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB CLASS	TRANSL. YES NO
CNN	J	0 388 955 A2	09/26/90	Europe	—	—	X
CNN	K	0 436 942 A2	07/17/91	Europe	—	—	X
CNN	L	0 945 178 A1	09/29/99	Europe	—	—	X
	M						
	N						

A6
B4
B7

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	O	
	P	

EXAMINER

Caro Nguyen

DATE CONSIDERED

4/8/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

BEST AVAILABLE COPY

Sheet 1 of 2

FORM PTO-1449 (SUBSTITUTE)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEO I P E
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(37 CFR 1.98(b))Attorney Docket No.: TER-99P8521 P
Applic. No. 09/968,586

Applicant

Bernd Eckardt et al.

Filing Date October 1, 2001
Group Art Unit 3644
1754

U.S. PATENT DOCUMENTS

EXAMINER INITIALS		PATENT NO.	DATE	PATENTEE	CLASS	SUB CLASS	FILING DATE
CNN	A	4,078,893	03/14/78	Gilman et al.	—	—	
CNN	B	4,992,407	02/12/91	Chakraborty et al.	—	—	
CNN	C	5,035,875	07/30/91	Daish	—	—	
CNN	D	5,301,217	04/05/94	Heck et al.	—	—	
CNN	E	5,473,646	12/05/95	Heck et al.	—	—	
	F						
	G						
	H						
	I						

FOREIGN PATENT DOCUMENT

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB CLASS	TRANSL YES NO
CNN	J	199 14 814 C1	12/14/00	Germany	—	—	X
CNN	K	37 25 290 A1	02/16/89	Germany	—	—	X
CNN	L	37 29 114 A1	03/23/89	Germany	—	—	X
CNN	M	196 36 557 A1	03/12/98	Germany	—	—	X
CNN	N	0 527 968 B1	02/24/93	Europe	—	—	X

B6
B8
BEST AVAILABLE COPY

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

	O	
	P	

EXAMINER

Caren Nguyen

DATE CONSIDERED

4/8/03

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609;
 Draw line through citation if not in conformance and not considered. Include copy of this form with
 next communication to applicant.

<i>Notice of References Cited</i>	Application/Control No. 09/968,586	Applicant(s)/Patent Under Reexam Eckardt et al.
	Examiner Cam Nguyen	Art Unit 1754

Page 1 of 1

U.S. PATENT DOCUMENTS

Document Number Country Code-Number-Kind Code	Date MM-YYYY ¹	Name	Classification ²
A 5,604,174	2/1997	Friedman et al.	502 439
B			
C			
D			
E			
F			
G			
H			
I			
J			
K			
L			
M			

FOREIGN PATENT DOCUMENTS

Document Number Country Code-Number-Kind Code	Date MM-YYYY ¹	Country	Name	Classification ²
N				
O				
P				
Q				
R				
S				
T				

NON-PATENT DOCUMENTS

Include, as applicable: Author, Title, Date, Publisher, Edition or Volume, Pertinent Pages

U	
V	
W	
X	

of this reference is not being furnished with this Office action. See MPEP § 707.06(a).

¹ Dates in MM-YYYY format are publication dates.² Classifications may be U.S. or foreign.

BEST AVAILABLE COPY